NuSil CV-2289-1

Silicone

NuSil Technology

Message:

Controlled Volatility (CV) Silicone Materials
Silicone's ability to remain elastic at low temperatures and resistant to breakdown at high temperatures offer excellent utility in extraterrestrial environments where materials are repeatedly exposed to extreme temperatures. NuSil's Controlled Volatility (CV) and Ultra Low Outgassing TM (SCV) silicone products are used by leading space programs to provide the much-needed resilient protection they require against contamination and material degradation.
Benefits of Silicone Materials for Space
Broad Operating Temperature
Compensation for CTE Mismatch
Protection Against Atomic Oxygen
Optically Clear Formulations
Flight Legacy
Comments: Pourable Elastomer

General Information	
Features	Low to No Outgassing
Uses	Adhesives Aerospace Applications Sealants
Agency Ratings	ASTM E 595 NASA SP-R-0022A

Thermal	Nominal Value	Unit
CLTE - Flow	4.5E-4	cm/cm/°C
Thermoset	**Nominal Value**	**Unit**
Thermoset Components		
Part A	Mix Ratio by Weight: 1.0	
Part B	Mix Ratio by Weight: 1.0	
Tack Free Time	4.0	hr
Cure System	Platinum	
Uncured Properties	**Nominal Value**	**Unit**
Color	White	
Viscosity		
-- [1]	40	Pa·s
-- [2]	60	Pa·s
Curing Time (150°C)	0.25	hr
Pot Life	30	min
Cured Properties	**Nominal Value**	**Unit**
Shore Hardness (Shore A)	30	
Tensile Strength	4.83	MPa

Tensile Elongation at Break	350	%
Electric Strength	38	kV/mm

NOTE	
1.	Part B
2.	Part A

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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